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PUBLIC INFORMATION STATEMENT  
NATIONAL WEATHER SERVICE SAN FRANCISCO BAY AREA CA  
950 PM PDT THU JUL 15 2010

...JUNE 2010 REGIONAL MONTHLY CLIMATE SUMMARY...  
AND  
...2009-2010 RAINFALL SEASON SUMMARY...

SUMMARY FOR THE SAN FRANCISCO BAY AREA AND MONTEREY BAY AREA...

COOL CONDITIONS THAT DOMINATED THE SPRING SEASON OF 2010 CONTINUED THROUGH MUCH OF JUNE. HOWEVER...NEGATIVE TEMPERATURE DEPARTURES IN JUNE WERE MUCH SMALLER COMPARED TO DEPARTURES IN THE PREVIOUS TWO MONTHS. JUNE AVERAGE HIGH TEMPERATURES WERE GENERALLY ONLY ONE OR TWO DEGREES BELOW NORMAL. AVERAGE LOW TEMPERATURES WERE VERY CLOSE TO NORMAL...OR EVEN SLIGHTLY ABOVE NORMAL. AS A WHOLE...THE MONTH OF JUNE WAS ONLY SLIGHTLY COOLER THAN THE 30 YEAR AVERAGE.

FOR THE FIRST WEEK OF THE MONTH...HIGH TEMPERATURES WERE SLIGHTLY ABOVE NORMAL WHILE LOW TEMPERATURES WERE SEVERAL DEGREES ABOVE NORMAL. MILD OVERNIGHT LOWS WERE DUE...AT LEAST IN PART...TO ABOVE NORMAL SEA SURFACE TEMPERATURES DURING THE FIRST PART OF JUNE. DECREASED UPWELLING IN THE COASTAL WATERS ALLOWED WATER TEMPERATURES TO RISE INTO THE UPPER 50S BY THE 5TH AND 6TH. UPWELLING INCREASED THEREAFTER AND SEA SURFACE TEMPERATURES DROPPED QUICKLY BACK TO NORMAL BY THE SECOND WEEK OF JUNE AND REMAINED AT OR BELOW NORMAL FOR THE REMAINDER OF THE MONTH.

A RELATIVELY DEEP UPPER LEVEL TROUGH ALONG THE WEST COAST RESULTED IN COOL CONDITIONS FROM THE 7TH THROUGH THE 10TH. ONCE THE TROUGH MOVED OFF TO THE EAST...OFFSHORE FLOW DEVELOPED AND TEMPERATURES ROSE RAPIDLY ON THE 11TH AND 12TH. SEVERAL DAILY RECORD HIGH TEMPERATURES WERE SET OR TIED ON SATURDAY JUNE 12. TEMPERATURES DROPPED BACK BELOW NORMAL BY THE 14TH...AND THEN REMAINED AT OR BELOW NORMAL FOR THE NEXT TWO WEEKS AS A WEAK UPPER LEVEL TROUGH REMAINED ENTRENCHED NEAR THE WEST COAST.

THE WARM SPELL FROM THE 11TH THROUGH THE 13TH WAS ACCOMPANIED BY GUSTY DRY OFFSHORE WINDS IN THE NORTH AND EAST BAY HILLS. THESE WINDY AND DRY CONDITIONS PROMPTED ISSUANCE OF THE SEASON'S FIRST RED FLAG WARNING.

THE SECOND JUNE WARM SPELL OCCURRED LATE IN THE MONTH. THIS WARM-UP WAS BRIEF...WITH JUST ONE VERY WARM DAY ON THE 27TH. TEMPERATURES DROPPED OFF STEADILY THEREAFTER THROUGH THE END OF THE MONTH. NO DAILY TEMPERATURE RECORDS WERE SET ON THE 27TH.

JUNE 2010 WAS A DRY MONTH IN ALL AREAS EXCEPT THE IMMEDIATE COAST. THE MAJORITY OF REPORTING LOCATIONS PICKED UP NO MEASURABLE RAINFALL DURING THE MONTH. DRIZZLE FELL FROM A DEEP MARINE LAYER ON SEVERAL

OCCASIONS...PRODUCING MEASURABLE PRECIPITATION AT MOST COASTAL LOCATIONS. A FEW COASTAL SPOTS SUCH AS FORT ROSS AND HALF MOON BAY ACCUMULATED ENOUGH PRECIPITATION IN THIS MANNER TO REACH ABOUT DOUBLE THEIR AVERAGE JUNE RAINFALL.

THE 2009-2010 RAINFALL SEASON CAME TO AN END ON JUNE 30TH. RAINFALL FOR THE RAIN YEAR THAT BEGAN ON JULY 1 2009 WAS ABOVE NORMAL AT NEARLY ALL REPORTING LOCATIONS IN THE SAN FRANCISCO BAY AREA AND MONTEREY BAY AREA. THIS WAS A WELCOME CHANGE AFTER THREE CONSECUTIVE YEARS OF BELOW NORMAL PRECIPITATION. THE BIG STORM ON OCTOBER 13 2009 PUSHED EARLY SEASON RAINFALL TOTALS WELL ABOVE NORMAL. A VERY DRY NOVEMBER AND SOMEWHAT DRY DECEMBER FOLLOWED. THUS...BY THE END OF THE CALENDAR YEAR RAINFALL TOTALS ACROSS MOST OF THE REGION HAD SLIPPED A LITTLE BELOW NORMAL. HAD IT NOT BEEN FOR THE STORM OF OCTOBER 13...RAINFALL DEFICITS FOR THE FIRST SIX MONTHS OF THE RAINFALL SEASON WOULD HAVE BEEN MUCH GREATER. SEASONAL RAINFALL DEFICITS QUICKLY VANISHED IN JANUARY WHEN...DURING THE THIRD WEEK OF THAT MONTH...A SERIES OF POWERFUL STORMS SWEEP ACROSS THE REGION. THE JANUARY STORMS WERE WET ENOUGH TO PUSH RAINFALL TOTALS BACK ABOVE NORMAL. AFTER NEAR NORMAL RAINFALL IN FEBRUARY AND BELOW NORMAL RAINFALL IN MARCH...YEAR-TO-DATE RAINFALL BY THE FIRST DAY OF SPRING HAD SETTLED BACK TO NEAR NORMAL. A VERY WET SPRING SEASON IN APRIL AND MAY HELPED PUSH RAINFALL TOTALS FOR THE ENTIRE RAINFALL SEASON TO ABOVE NORMAL LEVELS AT NEARLY ALL REPORTING LOCATIONS. BELOW IS A LIST OF 2009-2010 RAIN YEAR PRECIPITATION TOTALS...NORMAL RAINFALL BASED ON THE 1971-2000 AVERAGE...AND PERCENT OF NORMAL:

LOCATION	2009-2010 TOTAL RAIN	JUL 1- JUNE 30 NORMAL	PERCENT OF NORMAL
NORTH BAY...			
ANGWIN	42.36	40.67	104
KENTFIELD	51.81	47.47	109
NAPA	29.02	26.46	110
OCCIDENTAL	56.66	55.87	101
PETALUMA	26.97	25.85	104
ST HELENA	39.02	34.88	112
SAN RAFAEL	40.74	34.29	119
SANTA ROSA	30.57	31.01	99
SAN FRANCISCO PENINSULA...			
HALF MOON BAY	25.34	27.96	91
SAN FRANCISCO AIRPORT	21.39	20.11	106
SAN FRANCISCO DOWNTOWN	23.97	22.28	108
WOODSIDE	27.59	28.71	96
EAST BAY...			
BERKELEY	28.87	25.40	114
CONCORD	20.80	15.72	132
LIVERMORE	15.13	14.82	102
MARTINEZ	22.58	19.58	115
MT DIABLO JUNCTION	32.71	23.96	137

NEWARK	15.75	14.85	106
OAKLAND	25.30	22.94	110
RICHMOND	25.39	23.35	109
SOUTH BAY AND SANTA CRUZ COUNTY...			
BEN LOMOND	56.44	47.68	118
GILROY	25.60	20.60	124
LOS GATOS	25.12	22.64	111
MT HAMILTON	27.92	23.73	118
MOFFETT FIELD	17.30	14.13	122
SAN JOSE	17.24	15.08	114
SANTA CRUZ	31.06	30.67	101
WATSONVILLE	27.49	23.25	118
MONTEREY AND SAN BENITO COUNTIES...			
BIG SUR	49.65	43.20	115
CARMEL VALLEY	23.23	17.17	135
HOLLISTER	17.51	13.61	129
KING CITY	14.04	12.30	114
MONTEREY	24.19	20.35	119
PINNACLES NATIONAL MONUMENT	21.04	17.35	121
SALINAS	19.81	15.12	131
SALINAS AIRPORT	17.18	12.91	133

...JUNE REGIONAL TEMPERATURE SUMMARY...

LOCATION	AVG HIGH	NORMAL HIGH	DEPARTURE FROM NORMAL	AVG LOW	NORMAL LOW	DEPARTURE FROM NORMAL
NORTH BAY...						
KENTFIELD	77.0	81.8	-4.8	52.3	50.9	1.4
NAPA	79.7	80.7	-1.0	54.1	52.6	1.5
PETALUMA	78.2	78.6	-0.4	50.2	50.5	-0.3
SAINT HELENA	83.0	84.9	-1.9	55.6	52.0	3.6
SAN RAFAEL	75.3	77.8	-2.5	53.5	53.0	0.5
SANTA ROSA	79.1	79.5	-0.4	51.7	51.4	0.3
SONOMA	81.1	85.3	-4.2	51.5	50.4	1.1
SAN FRANCISCO PENINSULA...						
HALF MOON BAY	63.9	63.1	0.8	50.4	49.9	0.5
REDWOOD CITY	75.8	80.2	-4.4	53.9	52.6	1.3
SAN FRANCISCO AIRPORT	69.9	70.6	-0.7	54.9	52.9	2.0
SAN FRANCISCO DOWNTOWN	65.8	67.2	-1.4	52.8	53.2	-0.4
EAST BAY...						

BERKELEY	M	69.7	M	M	53.4	M
CONCORD	81.7	83.5	-1.8	56.5	56.6	-0.1
FREMONT	74.6	76.6	-2.0	54.9	54.8	0.1
LIVERMORE	83.6	84.1	-0.5	54.3	52.5	1.8
MARTINEZ	85.8	85.3	0.5	53.0	53.6	-0.6
MOUNT DIABLO						
JUNCTION	73.9	78.5	-4.6	54.0	53.0	1.0
NEWARK	74.3	74.5	-0.2	56.5	56.0	0.5
OAKLAND	70.5	71.5	-1.0	54.8	55.7	-0.9
RICHMOND	69.6	71.6	-2.0	M	54.6	M

SOUTH BAY AND SANTA CRUZ COUNTY...

BEN LOMOND	80.7	81.9	-1.2	48.6	48.2	0.4
GILROY	M	84.1	M	M	52.3	M
LOS GATOS	M	81.8	M	M	51.3	M
MOUNT HAMILTON	69.0	72.0	-3.0	54.1	55.3	-1.2
SAN JOSE	78.5	80.2	-1.7	56.1	55.4	0.7
SANTA CRUZ	73.5	73.9	-0.4	51.8	50.4	1.4
WATSONVILLE	70.9	71.0	-0.1	52.3	51.0	1.3

MONTEREY AND SAN BENITO COUNTIES...

BIG SUR STATION	M	74.5	M	M	48.2	M
CARMEL VALLEY	73.9	74.5	-0.6	47.8	49.2	-1.4
HOLLISTER	76.8	78.0	-1.2	50.3	50.4	-0.1
KING CITY	83.8	82.5	1.3	51.3	49.3	2.0
MONTEREY	63.7	67.1	-3.4	50.1	50.4	-0.3
PINNACLES NATIONAL						
MONUMENT	86.9	87.5	-0.6	46.6	46.8	-0.2
SALINAS	M	70.6	M	M	51.9	M

...JUNE REGIONAL PRECIPITATION SUMMARY...

LOCATION	JUNE TOTAL	AVERAGE JUNE PRECIP	PERCENT OF NORMAL
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NORTH BAY...

CLOVERDALE	M	0.12	M
FORT ROSS	0.71	0.35	203
KENTFIELD	0.00	0.24	0
MUIR WOODS	0.19	0.34	56
NAPA	0.00	0.16	0
OCCIDENTAL	0.29	0.34	85
PETALUMA	T	0.16	0
SAINT HELENA	0.00	0.19	0
SAN RAFAEL	0.00	0.13	0
SANTA ROSA	0.11	0.19	58
SONOMA	0.00	0.19	0

SAN FRANCISCO PENINSULA...

HALF MOON BAY	0.49	0.26	188
PACIFICA	0.16	0.29	55
REDWOOD CITY	0.00	0.10	0
SAN FRANCISCO			
AIRPORT	T	0.11	0
SAN FRANCISCO			
DOWNTOWN	0.07	0.13	54

EAST BAY...

BERKELEY	0.03	0.13	23
CONCORD	0.00	0.11	0
FREMONT	0.00	0.07	0
LIVERMORE	0.00	0.09	0
MARTINEZ	0.00	0.12	0
MOUNT DIABLO			
JUNCTION	0.02	0.15	13
NEWARK	0.00	0.12	0
OAKLAND	0.00	0.12	0
RICHMOND	0.00	0.17	0

SOUTH BAY AND SANTA CRUZ COUNTY...

BEN LOMOND	0.00	0.22	0
GILROY	0.00	0.10	0
LOS GATOS	M	0.10	M
MOUNT HAMILTON	0.03	0.24	13
SAN JOSE	0.00	0.10	0
SANTA CRUZ	0.00	0.11	0
WATSONVILLE	0.02	0.12	17

MONTEREY AND SAN BENITO COUNTIES...

BIG SUR STATION	M	0.27	M
CARMEL VALLEY	T	0.10	0
HOLLISTER	0.00	0.08	0
KING CITY	0.01	0.07	14
MONTEREY	0.02	0.20	10
PINNACLES NATIONAL			
MONUMENT	0.00	0.08	0
SALINAS	M	0.09	M

...DAILY TEMPERATURE RECORDS FOR JUNE 2010...

DATE	LOCATION	RECORD HIGH TEMP	OLD RECORD
6/12	DOWNTOWN OAKLAND	90	88 IN 2008
6/12	OAKLAND AIRPORT	92	86 IN 2008

6/12	SALINAS	85	82 IN 1966
6/12	SAN FRANCISCO AIRPORT	88	88 IN 2008
6/12	SALINAS AIRPORT	87	87 IN 1947

...MONTHLY RANKS FOR DOWNTOWN SAN FRANCISCO...

AVERAGE HIGH TEMPERATURE.....65.8.....53RD COOLEST OUT OF 135 YEARS  
AVERAGE LOW TEMPERATURE.....52.8.....64TH COOLEST OUT OF 135 YEARS  
MONTHLY RAINFALL.....0.11 INCHES.....53RD WETTEST OUT OF 160 YEARS

NOTE: THIS CLIMATOLOGICAL DATA IS PRELIMINARY. FOR OFFICIAL  
CERTIFIED CLIMATOLOGICAL DATA PLEASE CONTACT THE NATIONAL  
CLIMATIC DATA CENTER AT 828-271-4800 OR <http://www.ncdc.noaa.gov>.  
OFFICIAL VALUES AS DETERMINED AT THE ABOVE WEB SITE MAY TAKE  
SEVERAL MONTHS FOR AUTHENTICATION AND PUBLICATION.

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